

## **Restaurants, Chain-Driven Charbroilers**

**Table I**  
**Identification of Performance Standards**  
**Source Category: Restaurants, Chain-Driven Charbroilers**

Regulated Component	Pollutant	Rule/Measure/Date							
		South Coast 1138, Control of Emissions from Restaurant Operations, adopted 11/14/97 <sup>1</sup>							
		Performance Standard							
Install control device equal to or more effective than catalytic oxidizer	VOC	x	Greater than or equal to 83% reduction in VOC (Rule 1138 and Protocol-Determination of Particulate and Volatile Organic Compound Emissions from Restaurant Operations, 11/14/97)						
Install control device equal to or more effective than catalytic oxidizer	PM <sub>2.5</sub>	x	Greater than or equal to 83% reduction in PM (Rule 1138 and Protocol-Determination of Particulate and Volatile Organic Compound Emissions from Restaurant Operations, 11/14/97)						

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		Performance Standard									
Existing chain-driven charbroiler	VOC, PM	x	Charbroiler/catalytic oxidizer tested and certified by the Executive Officer, or equipment that is equal to or more effective than catalytic oxidizer in reducing PM and VOC emissions and certified by Executive Officer								
Existing chain-driven charbroiler with permitted control equipment	VOC, PM	x	May maintain equipment for duration of its functional life, not to exceed 10 years from 11/14/97								

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		Performance Standard							
New chain-driven charbroiler	VOC, PM	x Charbroiler/catalytic oxidizer tested and certified by the Executive Officer, or equipment that is equal to or more effective than catalytic oxidizer in reducing PM and VOC emissions and certified by Executive Officer							
Work practices	VOC, PM	x Maintain catalytic oxidizer in good working order including operation, cleaning, and maintenance per manufacturer's specifications							

<sup>1</sup> To date, South Coast Rule 1138 is the only rule or measure relating specifically to restaurant equipment.

**Table II**  
**Identification of Performance Standards**  
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Rule/Measure	Rule/Measure				
	South Coast 1138, Control of Emissions from Restaurant Operations, adopted 11/14/97				
Exemptions	Accept permit condition limiting amount of meat cooked to less than 875 pounds per week				
	Supply evidence that emissions are less than 1 pound per day criteria contaminants				
Applicability	Owners and operators of commercial chain-driven charbroilers				

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	South Coast 1138, Control of Emissions from Restaurant Operations, adopted 11/14/97				
Comments	<p>Executive Officer will evaluate and report to the Governing Board within 18 months of rule adoption on feasibility of controlling emissions from under-fired charbroilers and other restaurant equipment (cost-effective controls on other restaurant equipment not currently available). (Rule 1138)</p> <p>All of PM emissions controlled are below PM<sub>10</sub> in size, and majority is smaller than PM<sub>2.5</sub>. (Draft Staff Report for Proposed Rule 1138, 10/10/97)</p> <p>Catalytic oxidizer used with chain-driven charbroiler may result in fuel savings and decreased hood duct cleaning cost. (Draft Staff Report for Proposed Rule 1138, 10/10/97)</p> <p>Catalytic oxidizer with 83% control efficiency for PM and</p>				

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	South Coast 1138, Control of Emissions from Restaurant Operations, adopted 11/14/97				
	VOC removed has been adopted as BACT for equipment processing more than 125 pounds per day product (1 pound PM emissions per day). (Proposed Revisions to Best Available Control Technology (BACT) Guidelines, 9/11/97, and personal communication with Anthony Oshinuga, (909) 396-2599).				